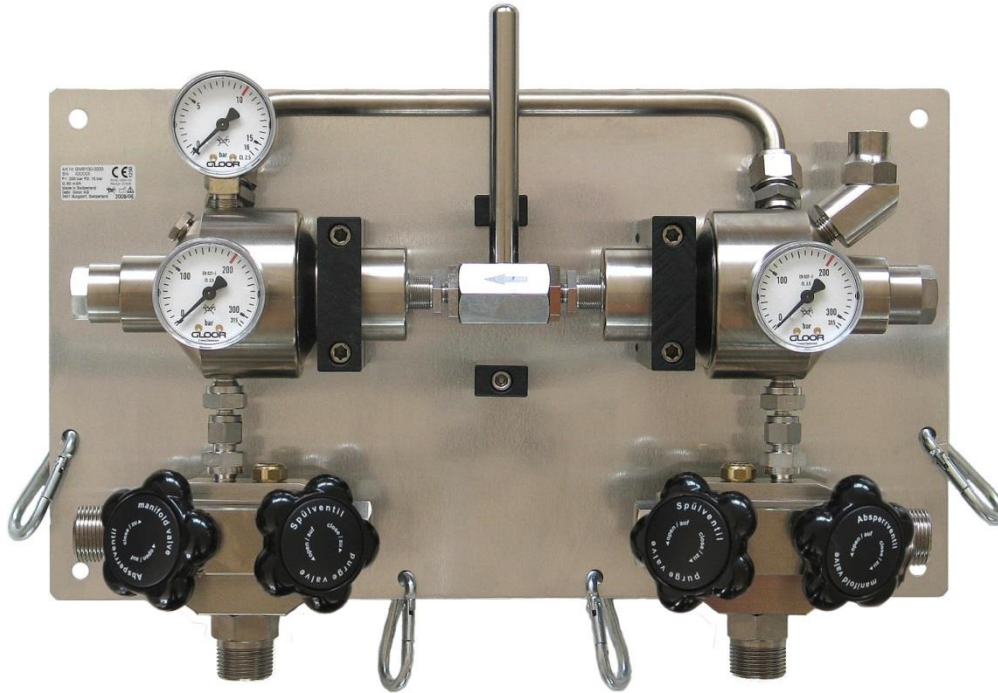


# SWISS optio change-over



change-over

## The change-over station at a glance :

- for an uninterrupted gas supply from single cylinders or cylinder racks
- for the connection for up to four single cylinders or two racks of cylinders
- with integrated purging valves
- change-over pressure up to 10 bar (permanently preset)
- as an option, with emergency supply feeding and / or with external alarm
- additional option : with low pressure regulator as second pressure stage and emergency supply feeding completely mounted on panel

The automatic **change-over station** for medical gases guarantees for an uninterrupted gas supply from two cylinder racks or from two to four single cylinders (1 or 2 cylinders each side).

The **change-over station** consists of two high-pressure shut-off blocks, two high pressure reductions valves that are connected on the low-pressure side with indication of the respective cylinder pressure and a relief valve. All components are mounted on an aluminium plate.

The high pressure shut-off blocks have two connection options (lateral and from below) and have integrated purging valves. The high pressure connections are fitted with sinter filters and with back-flow valves.

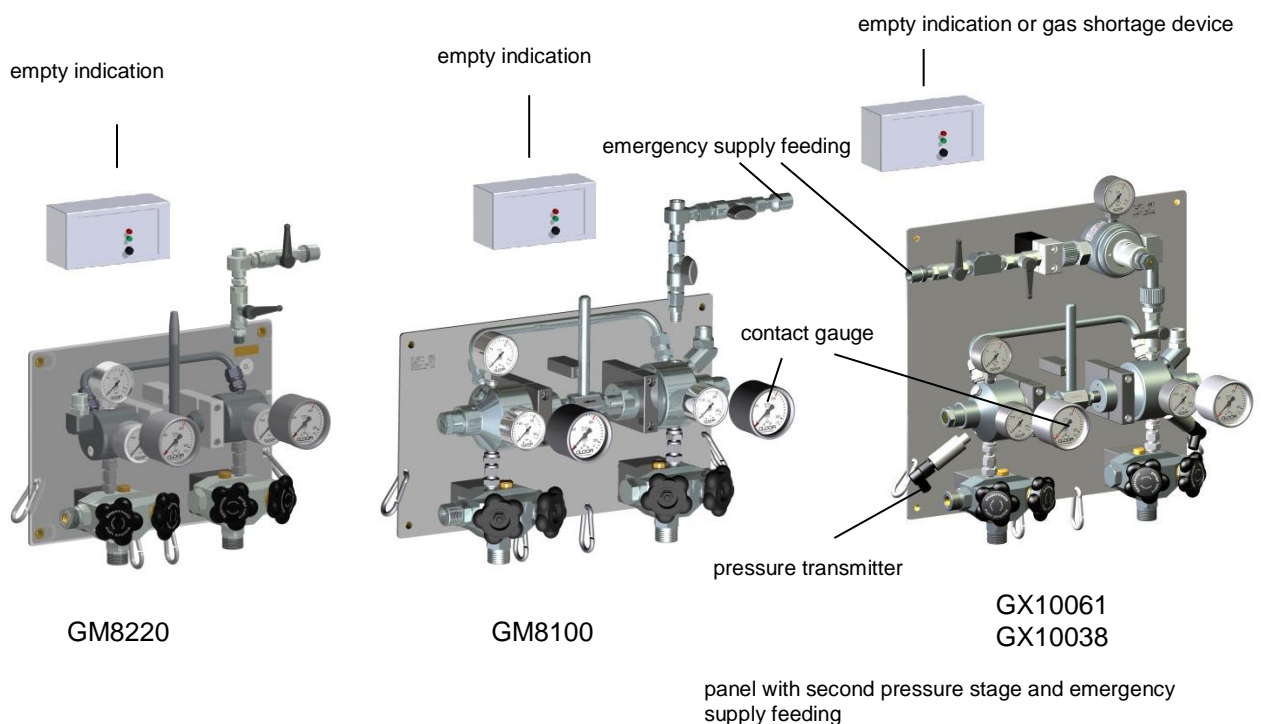
The **change-over** works on the principle of differential pressure. If the cylinder pressure on one side falls below the set supply pressure, the system will be supplied from the other side through the defined differential pressure. The **change-over** is switched ready for operation again by operating the change-over lever, and the cylinders on the empty side must be replaced.

The **change-over stations** are certified according to EN ISO 7291 and EN ISO 10297. The integrated pressure regulators are certified according EN ISO 10524-1 (GM8220), resp. according EN ISO 10542-2 (GM8100). CE marking according to Guideline for Medical Products 93/42/EEC.

## Technical data :

Classification	equipment class according to CE Guideline 93/42 EEC, Annex IX, class II b
UMDNS Code	18-046 (nomenclature for medical products)
Inlet pressure	200 bar
Outlet pressure	3 – 10 bar (permanently preset at the factory on request of the customer)
Flow	GM8220 : 55 Nm <sup>3</sup> /h / GM 8100 : 80 Nm <sup>3</sup> /h
Gas	AIR, O <sub>2</sub> , CO <sub>2</sub> , N <sub>2</sub> O, He, Xe, mixtures of test gases
Inlet	3/4" outer thread, lateral and from below (if the second inlet is not required, it is closed off with a sealing plug)
Outlet	vertically upwards, G1/4" inner thread flat seal
Material	brass nickel plated, stainless steel, EPDM diaphragm
Sealing material	PEEK, PA6.6, EPM, POM, PU
Operating temperature	-20° up to + 60°C
Dimensions	W x H x D : 36 x 31.5 x 15 mm (GM8220) / 44 x 36 x 15.5 cm (GM8100)
Weight	10.2 kg (GM8220) / 14.5 kg (GM8100)

## Model variants GM8220 / 81xx / GX10061 / GX10038 :



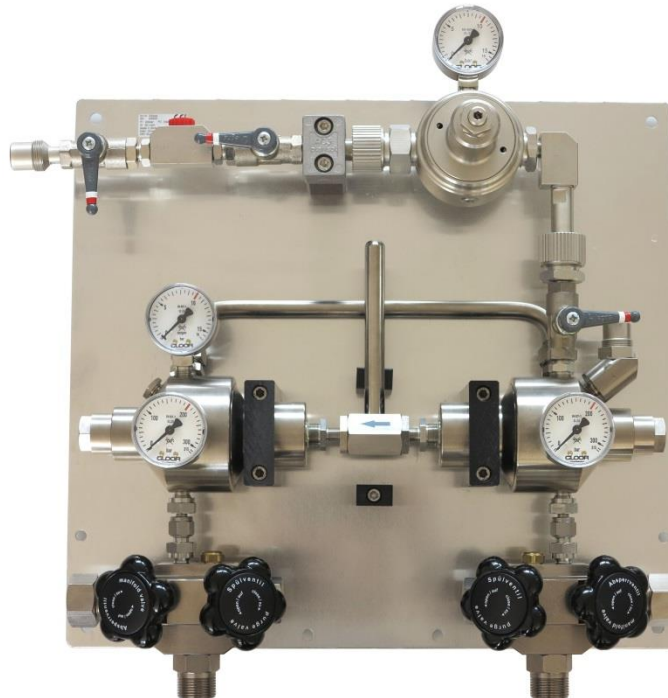
## Necessary information when ordering :

Gas	AIR, O <sub>2</sub> , CO <sub>2</sub> , N <sub>2</sub> O, He, Xe, mixtures of test gases
Flow	55 Nm <sup>3</sup> /h (GM8220) / 80 Nm <sup>3</sup> /h (GM 8100)
Change-over pressure	3 – 10 bar
Inlet	two or four inlets open
Options	<ul style="list-style-type: none"> <li>- with contact gauges and empty indication</li> <li>- with pressure transmitters and gas shortage device</li> <li>- with emergency supply feeding</li> <li>- with second pressure stage and emergency supply feeding on panel</li> </ul>

Please request our special configuration leaflet for configurations that are not shown here.

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## SWISS optio change-over with second pressure stage and emergency supply feeding on panel



GX 10061 / GX10038

- with pipeline regulator as second pressure stage for very stable down-stream pressure
- pipeline pressure adjustable between 3 to 10 bar. Can only be re-adjusted by help of a tool and is secured by means of a counter nut to prevent any unintended or unauthorised adjustment of the pressure
- with emergency supply feeding with NIST connection for emergencies or for repair/service of the change-over
- as option with contact gauge and empty indication or with pressure transmitter and gas shortage device

### Technical data :

Please check for general information and the technical data of this change-over the information leaflet on the SWISS optio change-over. Following you will only find the data that is deviating from the information given there.

Flow rate	with 10 bar secondary pressure = 30 Nm <sup>3</sup> /h (GX10061) / 40 Nm <sup>3</sup> /h (GX10038) (after 2nd pressure stage)
Dimensions	W x H x D : 48 x 48 x 19.5 cm (GX10061) / 48 x 48 x 17.5. cm (GX10038)
Weight	14,9 kg (GX10061) / 18,6 kg (GX10038)

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